

REMARKS

The present amendment is in response to the Office Action where the Examiner has rejected the pending claims which include two (2) independent claims 1 and 20. By the present amended thirteen (13) claims remain pending including independent claims 1 and 20.

A. Claim Rejections under 35 USC 103(a)

The Examiner rejects all of the pending claims as being unpatentable over Bernard (US4236125) in view of Nakamichi (EP0909024A2) and Makino (US5945887). The Simmons (US3676803) reference was cited in a previous Office Action. In response, Applicant further amends independent claims 1 and 20 to more precisely claim the embodiment of the isolator circuit as illustrated in Figure 5 of the specification. Specifically, the independent claims are amended to claim the specific structure of the isolation circuit.

Applicant amends the independent claims 1 and 20 such that the tunable isolator circuit is formed on a single substrate, as discussed with reference to Figure 1 of the specification, to facilitate natural impedance matching.

Applicant further amends the independent claims 1 and 20 to more precisely claim the structure of the isolation port circuit. Specifically, the isolation port circuits comprise two FE tunable components/capacitors, one of which is in parallel with a resistive element. These isolation port circuits are dynamically tunable using ferro-electric components, each having a separate control signal. Thus, the isolation port may be (more accurately) tuned to a resonant frequency during operation of a communication circuit.

The cited references alone or in combination do not disclose the claimed inventions. Nakamichi discloses a ferro-electric matching circuit. This matching circuit substituted into the Bernard circuit or into the Makino circuit does not arrive at the

specific circuit structure claimed by Applicant. Further, none of the references teach an isolator that is tunable to resonate at an operating frequency using a plurality of control signals (the first, second, etc. control signals).

As such, Applicant respectfully asserts that the now pending claims are patentable over the cited references.

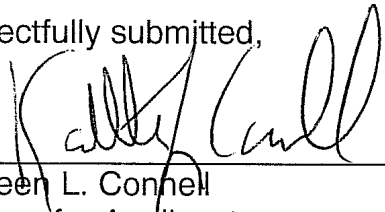
B. Conclusion

Applicant asserts that the pending claims 1, 2, 4-6, 9-10, 13-17 and 20 are now patentable over the cited art under 35 U.S.C. 103(a) as discussed above. Thus, Applicant respectfully requests that the Examiner issue a notice of allowance for all of the now pending claims.

The fees for a one (1) month extension of time and for the RCE is filed herewith by EFS. The Director is authorized to charge any additional fee(s) or any underpayment of fee(s) or credit any overpayment(s) to Deposit Account No. 50-3001 of Kyocera Wireless Corp.

Should the Examiner believe that prosecution of this application might be expedited by further discussion of the issues, he is invited to telephone the attorney for Applicant at the telephone number listed below.

Respectfully submitted,

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